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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present

application.

Listing of Claims:

1. (Original) An organic EL element comprising, between a positive electrode and a

negative electrode, at least a luminescent layer, a hole transport layer adjacent to a positive-

electrode side of the luminescent layer, and an electron injection transport layer adjacent to a

negative-electrode side of the luminescent layer, wherein

a hole injection layer is provided between the hole transport layer and the positive

electrode, and the conductivity of the hole injection layer continuously changes along a thickness

direction of the hole injection layer.

2. (Original) The organic EL element as described in Claim 1, wherein the hole injection

layer includes an acceptor.

3. (Original) The organic EL element as described in Claim 2, wherein the concentration

of the acceptor in the hole injection layer changes continuously along the thickness direction of

the hole injection layer.

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4. (Original) The organic EL element as described in Claim 2, wherein the hole injection

layer has a border region with a reduced acceptor concentration formed in the vicinity of an

interface between the hole injection layer and the hole transport layer.

5. (Original) The organic EL element as described in Claim 4, wherein the acceptor

concentration in the hole injection layer changes by at least 10% in the vicinity of the interface.

6. (Original) The organic EL element as described in Claim 2, wherein the hole injection

layer has a border region with a reduced acceptor concentration formed in the vicinity of an

interface between the hole injection layer and the positive electrode.

7. (Original) The organic EL element as described in Claim 6, wherein the acceptor

concentration in the hole injection layer changes by at least 10% in the vicinity of the interface.

8. (Original) The organic EL element as described in Claim 2, wherein the hole injection

layer has first and second border regions with reduced acceptor concentrations in the vicinity of

an interface between the hole injection layer and the hole transport layer and in the vicinity of

another interface between the hole injection layer and the positive electrode, respectively.

9. (Original) The organic EL element as described in Claim 2, wherein the hole injection

layer comprises 4.4'.4"-tris(2-naphthylphenylamino)triphenylamine, and the acceptor comprises

2,3,5,6-tetrafluoro-7,7, 8, 8tetracyanoquinodimethane.

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10. (Original) The organic EL element as described in Claim 1, wherein the positive electrode comprises a conductive oxide, and the hole injection layer has a film thickness of 40 to

50 rim.

11. (Withdrawn) An organic EL display apparatus comprising an organic EL element

comprising, between a positive electrode and a negative electrode, at least a luminescent layer, a

hole transport layer adjacent to a positive-electrode side of the luminescent layer, and an electron

injection transport layer adjacent to a negative-electrode side of the luminescent layer, wherein

a hole injection layer is provided between the hole transport layer and the positive

electrode, and the conductivity of the hole injection layer continuously changes along a thickness

direction of the hole injection layer.

12. (Withdrawn - Currently Amended) A method of manufacturing an organic EL

element as described in claim 1, said method comprising:

a step of forming a hole injection layer on a positive electrode provided on a substrate;

a step of forming a hole transport layer on the hole injection layer;

a step of forming a luminescent layer on the hole transport layer;

a step of forming an electron injection transport layer on the luminescent layer; and

a step of forming a negative electrode on the electron injection transport layer,

wherein the step of forming the hole injection layer is conducted by a vacuum deposition

method using a deposition source, and the step of forming the hole injection layer includes a step

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of changing a distance between the deposition source and the substrate to be processed on which

the organic EL element is to be provided.

13. (Withdrawn) The method of manufacturing an organic EL element as described in

Claim 12, wherein an acceptor is introduced into the hole injection layer during the step of

forming the hole injection layer, and the concentration of the acceptor in the hole injection layer

is changed along a film thickness direction of the hole injection layer during the step of changing

the distance from the deposition source.

14. (Withdrawn) The method of manufacturing an organic EL element as described in

Claim 13, wherein the change in the acceptor concentration along the film-thickness direction is

an increase in the acceptor concentration.

15. (Withdrawn) The method of manufacturing an organic EL element as described in

Claim 13, wherein the change in the acceptor concentration along the film-thickness direction is

a decrease in the acceptor concentration.

16. (Withdrawn) The method of manufacturing an organic EL element as described in

Claim 13, wherein the deposition source is a plurality of deposition sources, and the acceptor is

retained in at least one of the plurality of deposition sources.

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17. (Withdrawn) The method of manufacturing an organic EL element as described in

Claim 13, wherein a conductivity of the hole injection layer is changed in accordance with the

change in the concentration of the acceptor in the hole injection layer.

18. (Withdrawn - Currently Amended) An apparatus for manufacturing an organic EL

element as described in claim 1, said apparatus comprising:

a processing vessel;

an exhaust unit that exhausts air from the processing vessel;

a retaining table that retains a substrate to be processed and is provided on a first side inside

the processing vessel; and

a deposition source that vaporizes a material and is provided on a second side inside the

processing vessel facing the first side,

wherein the material vaporized by the deposition source is deposited on the substrate to

be processed, and the apparatus further comprises a moving unit that moves the vaporizing unit

inside the processing vessel and is configured to move the deposition source at least in a

direction from the first side toward the second side or in a direction from the second side toward

the first side.

19. (Withdrawn) The apparatus for manufacturing an organic EL element as described

in Claim 18, further comprising a detecting unit that moves with the deposition source and

detects an amount of the material vaporized from the deposition source while maintaining a

constant distance from the deposition source.

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20. (Withdrawn) The apparatus for manufacturing an organic EL element as described in Claim 18, further comprising a control unit that controls a distance between the substrate to be processed and the deposition source using the moving unit in accordance with the amount of the material vaporized from deposition source detected by the detecting unit.